



Product Name: Magnesite Brick

TECHNICAL DATA SHEET	
Revision No.	01
Date	01-04-2019
Brand Name	DUMAGCR
Classification	Magnesia Chrome Brick
Base Material	Olivine, Dead Burnt Magnesia and Chromites
Bond Type	Ceramic
Application Area	General purpose miscellaneous uses in different industries

Control Properties	Unit	Values		Test Method
		Typical	Limit	
Chemical Analysis (Loss free basis)				
MgO	%	61.06	> 54	Wet chemical analysis / XRF (IS 1527, 1972)
Al ₂ O ₃	%	11.26	> 5	
SiO ₂	%	17.90	-	
CaO	%	0.35	-	
Fe ₂ O ₃	%	7.73	-	
Physical Properties				
AP	%	20.4	<22	ISO 5017:1998
B.D	gm/cm ³	2.81	>2.78	ISO 5017:1998
C.C.S	Kg/cm ²	376	>250	ISO 5014:1997
RUL (ta) at 2 Kg/cm ²	°C	1580+		IS 1528- Part 2
Supplementary Properties (For information only)				
PLC at 1500°C/2 hrs	%	0.48	-	ISO 2478:1987

REMARKS	
SIZE TOLERANCE	Taper/Thickness +/-1.0 mm, other dimension < 350mm - (+/-) 2.0 mm or +/- 1.5%, > 350 mm - (+/-) 2.0 mm or +/-1.0% w.e.g, warpage up to 350 mm length - 0.5 mm max, > 350 mm - 1.0 mm max
SELF LIFE	12 months from the date of manufacturing when stored under shed and free from moisture.

Note: The typical test data are based on average test results on the basis of application test standard and/or internal test method over a longer representative period and from standard press able bricks, subject to normal variation on individual test. The technical data sheet can be modified/revised as required. All chemical analysis is loss free basis. Except MgO%, Cr₂O₃%, Ab, B.D and C.C.S other properties are optional.